Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel all the claims in the application and enter new Claims 22-38 therefor.

Listing of the new Claims:

Claims 1-21 Cancelled

22. (New) An electronic switching system for connecting electronically a common source of voltage (Ue) to a chosen user station selected from a plurality of user stations connected in parallel; the system comprising in series a number of identical cells equal to the number of user stations, each cell corresponding to one user station; wherein each cell comprises electronic means for rectification of alternating and direct line current through the cell and for electronic separation of its ground from the other grounds of the remaining cells, an electronic means of connection to connect the corresponding user station to the common source of voltage, and a means of automatic blocking command comprising one optical photo coupler for each one of the cells not corresponding to the chosen user station to maintain separation of the different grounds of the cells and to control blocking of electronic connection of user stations other than the chosen station to the common source of voltage, whereby upon connection of the chosen user station to the common source of voltage, flow of the restored continuous current through the photodiodes in the cell corresponding to the chosen station saturates corresponding phototransistors located in cells not corresponding to the chosen user station which in turn block ballast transistors located in said cells not corresponding to the chosen user station, thereby blocking the connection of user stations other than the chosen station to the common voltage source.

23. (New) An electronic switching system according to claim 22, wherein there is a default user station that is normally the chosen user station

24. (New) electronic switching system according to claim 22, including in series a cell for each user station, with each cell including in series;
a means for rectification of alternating and direct current trough the cell and also for the electronically separation of its ground from the other grounds of the remaining cells;

a means for electrically connecting terminals of the chosen station at boundaries of the source of voltage;

a means for filtering a signal and restoration of a command voltage supply;

a means for determination of a response time of the cell and;

a means for command of blocking of connection, including optical couplers, to control the electronic disconnection to the source of the voltage to the other cell.

25. (New) An electronic switching system according to claim 24, wherein the optical couplers are electrically connected in series.

26. An electronic switching system according to claim 24, wherein the optical couplers are electrically connected in parallel

27. (New) An electronic switching system according to claim 24, wherein the response time is determined by a circuit in each cell containing at least one resistor and at least one capacitor.

28. (New) An electronic switching system according to claim 23, wherein the cell for the default user station has a response time lower than the response time of the other cells.

29. (New) An electronic switching system according to claim 28, in which at least one of the cells includes a switch in parallel with a resistor, and when the switch is closed the cell of user station becomes the default user station.

30. (New) An electronic switching system according to claim 24 , wherein the means for rectification of alternating and direct line current through the cell and also for electronic separation of its ground from the other grounds of the remainings cells is a bridge of four diodes.

31. (New) An electronic switching system according to claim 24, wherein the means for rectification of altenating and direct line current through the cell and for electronic separation of its ground from the other grounds of the remaining cells is a bridge of two diodes and two thyristors.

32. (New) An electronic switching system according to claim 24 wherein the means for electrically connecting terminals includes a transistor of command which, when conductive causes a transistor of connection to become conductive, causing line current to flow through the means for rectification of alternating and direct line current through the cell and also for the electronically separation of its ground and through the means for filtering the line signal, causing the electrical connection of the chosen user station with the source of voltage.

33. (New) An electronic switching system according to claim 32, in which a base of the transistor of command can be connected with a ground by a switch normally open, the switch when closed blocking the electronic connection of the associated station with the source of voltage.

34. (New) An electronic switching system according to claim 33, wherein the switch that is normally open can be manually closed.

35. (New) An electronic switching system according to claim 24, wherein the means for determination of the response time of the cell includes a trigger circuit which determines a response time of blocking the activation of the means for command of disconnection.

36. (New) An electronic switching system according to claim 35, wherein the trigger circuit is controlled by a charging and a discharging of a capacitor.

37. (New) An electronic switching system according to claim 24, wherein each user station is electronically connected in series to a cell, and at least one cell is electrically connected in series to a plurality of user stations, with each cell including in series:
a means for rectification of alternating and direct line current through the cell and for electronic separation of its ground from the other grounds of the remaining cells;

a means for electrically connecting terminals of the chosen station at boundaries of the source of voltage;

a means for command of blocking of connection, including optical couplers, to control the electronic disconnection to the source of the voltage to the other cells.

38. (New) An electronic switching system according to claim 24, wherein each user station is electrically connected in series to a cell, and at least one cell is electrically connected to another cell, with each cell including in series:
a means for rectification of alternating and direct line current through the cell and for electronic separation of its ground from the other grounds of the remaining cells;

a means for electrically connecting terminals of the chosen station at boundaries of the source of voltage;

a means for command of blocking of connection, including optical couplers, to control the electronic disconnection to the source of the voltage to the other cells